

Navtejinder Singh Brar

701 W Mitchell Circle, 317, Arlington, Texas-76013 | 214-675-4381 | navtejinderbrar@gmail.com

WORK EXPERIENCE

We Care Insurance (Internship)

Software Developer and Group Lead.

Omaha, Nebraska

June 2021 – August 2021

- Designed and developed a part of company website which took user information and displayed the best available insurance for the user by using web automation.
- Used HTML, PHP, JavaScript, MySQL, Java Selenium for web automation.
- Lead a team of 6 interns and gained some experience in teamwork and leadership.

ACADEMIC PROJECTS

Twitter Sentiment Analysis

September 2021

- Collected, Pre-processed, and classified the tweets into three categories (Positive, Negative and Neutral). Used several algorithms such as Naïve Bayes, SVM and Linear Regression to find out which algorithm is giving the best results. Skills: Python (Sci-kit Learn, NumPy)

Classification, Clustering and Association Rule Mining

December 2020

- Used three datasets: Bank Dataset for Classification with 93% accuracy, Texas weather dataset for clustering and a grocery store dataset for rule mining. Classified the bank dataset based on several attributes, Clustered the areas on the Texas map which has similar weather and generated the rules for the grocery store dataset. Skills: RStudio (dplyr, plotly, ggplot2, lubridate, Rpart, rattle)

Voting Demographic Analyzer

December 2020

- Created a web app and deployed it on IBM cloud. Based on questionnaire completed by users depending on various factors such as age and state, gave the current poll of the presidential election as the output. Stored the data in DB2 on the IBM cloud. Skills: Python, HTML, CSS, Bootstrap and JavaScript.

Ride Sharing Web Application

March 2021

- Created a web app where users can login and book a cab or share a cab. Encryption was used for user's data safety. Skills: PHP, JavaScript, HTML, MySQL, Google Maps API.

SKILLS

Languages: Java (Expert), PHP (Intermediate), Python (Beginner), JavaScript (Intermediate), R (Beginner)

Technologies/Frameworks/DB: Google Cloud (APIs, Compute Engine, Cloud Storage), IBM Cloud (DB2, Cloud Foundry), Bootstrap, jquery, Docker, REST API, MySQL, Git, DevOps, Ajax.

EDUCATION & INTERESTS

The University of Texas at Arlington, TX

M.S. Computer Science

August 2020-May 2022

- Coursework Completed: Design and Analysis of Algorithms, Cloud Computing, Data Mining, Artificial Intelligence, Data Analysis and modelling Techniques, Advanced Database Management System, Information Security, Machine Learning, Web Data Management
- Current Coursework: Software Testing
- GPA: 3.778

Interests: Flying (Student Pilot), Horse Riding, Complex Technologies.